Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/26/2019 09:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124501	-1	1.19	124564	1.17
Blue	F	SSC	125000	124099	-1	1.79	124893	1.70
Blue	E	FITC	16122	15556	-4	2.70	341	19.51
Blue	D	PE	29316	28779	-2	1.87	627	14.51
Blue	B	PerCP-Cy5-5	42590	41996	-2	3.60	1127	19.69
Blue	A	PE-Cy7	33146	32993	-1	5.85	630	39.09
Red	C	APC	45473	45052	-1	2.37	1593	11.92
Red	A	APC-Cy7	31961	30718	-4	2.29	812	11.90
Violet	B	V450	7914	7405	-7	5.23	415	13.65
Violet	A	V500	29769	28070	-6	5.02	654	10.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20707	3.48	605	5	N/A	N/A	Pass
Blue	F	SSC	56432	1.26	552	14	N/A	N/A	Pass
Blue	E	FITC	62	60.01	538	1	0.0204	73	Pass
Blue	D	PE	131	50.54	541	4	0.1836	340	Pass
Blue	B	PerCP-Cy5-5	210	48.01	644	6	0.0097	61	Pass
Blue	A	PE-Cy7	118	95.71	696	5	0.0119	13	Pass
Red	C	APC	379	25.48	587	8	0.0259	224	Pass
Red	A	APC-Cy7	180	29.26	562	6	0.0057	1344	Pass
Violet	B	V450	64	59.78	460	0	0.0488	1953	Pass
Violet	A	V500	99	32.43	472	0	0.0235	649	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.60	-32.11	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	17.12	13.60 - 20.40	N/A	N/A	29.73	30.20	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10464

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments